

## **RECRUIT CHANGES**

***CHANGED ON JANUARY 27, 2004 – AFTER THE FIRST NIGHT OF RECRUITING. CHANGES MADE AFTER DEBRIEFING THE INTERVIEWERS AND MONITORING THE FIRST NIGHT.***

### **INTRO**

Moved the age question to the end of the first paragraph for efficiency:

Hello, my name is <INSERT INTERVIEWER'S FIRST NAME> calling on behalf of the Michigan Department of Transportation. MDOT is conducting a transportation study to better understand the daily travel characteristics of Michigan residents. **Are you a member of this household and at least 18 years old?**

### **(CONTINUE WITH HOUSEHOLD MEMBER AT LEAST 18 YEARS OF AGE)**

This is an official MDOT study and the information collected is confidential and secure. This is not a sales call and no sales calls will result from this interview. For quality control purposes, this call may be monitored.

### **TPASS\_1**

#### **TPASS\_#**

Added "bus or":

TPASS\_1.

Do you have a **bus or** transit pass?

TPASS\_#.

Does <INSERT NAME\_#> have a **bus or** transit pass?

### **PTYPE\_1**

#### **PTYPE\_#**

Added "bus or":

PTYPE\_1.

What **bus or** transit pass do you have? Any others?

PTYPE\_#.

What **bus or** transit pass does <INSERT NAME\_#> have? Any others?

### **MAILXSTS**

Added "nearest" to note:

(RECORD TWO **NEAREST** CROSS STREETS)

### **HOMEXSTS**

Added "nearest" to note:

(RECORD TWO **NEAREST** CROSS STREETS)

***CHANGED ON JANUARY 28, 2004 – AFTER THE SECOND NIGHT OF RECRUITING.***

**WRKRS2**

Added text to the question:

Including yourself, how many of the people, **over 15 years of age**, living in your household are employed?

***CHANGES RECOMMENDED AS A RESULT OF THE PILOT.***

**Delete AREA\_CIT and AREA\_TWP**

**Create new variable – AREA\_CTW**

Combining the above two questions into one new question should eliminate potential confusion for the respondent. Note that the pre-logic for AREA\_CIT will now be used for AREA\_CTW. Also, as an interviewer assist, the words “city” and “township” will be capitalized if the name is used for both a city and township (e.g., Buchanan). Spelling errors have been corrected – Filmore is now Fillmore and Peninsula is now Peninsula. An interviewer note to clarify the question has also been added. Finally, because the list is now quite lengthy, the CATI will not list each name. A separate answer list for this question will be provided in the Interviewer Guidebook.

**(ASK IF AREA\_CTY=3 (ALLEGAN) OR 4 (ALPENA) OR 8 (BARRY) OR 11 (BERRIEN) OR 12 (BRANCH) OR 13 (CALHOUN) OR 14 (CASS) OR 16 (CHEBOYGAN) OR 17 (CHIPPEWA) OR 21 (DELTA) OR 22 (DICKINSON) OR 24 (EMMET) OR 27 (GOGEbic) OR 28 (GRAND TRAVERSE) OR 29 (GRATIOT) OR 30 (HILLSDALE) OR 31 (HOUGHTON) OR 34 (IONIA) OR 37 (ISABELLA) OR 44 (LAPEER) OR 46 (LENAWEE) OR 51 (MANISTEE) OR 52 (MARQUETTE) OR 53 (MASON) OR 54 (MECOSTA) OR 55 (MENOMINEE) OR 59 (MONTCALM) OR 61 (MUSKEGON) OR 70 (OTTAWA) OR 75 (SAINT JOSEPH) OR 78 (SHIAWASSEE) OR 80 (VAN BUREN) OR 82 (WAYNE) OR 83 (WEXFORD).)**

AREA\_CTW.

What CITY or TOWNSHIP do you live in?

(IF NEEDED: “We need to know where the physical location of your residence is.”)

(RECORD NUMBER FOR APPROPRIATE CITY OR TOWNSHIP FROM CITY/TOWNSHIP LIST)

(RECORD 996 FOR “OTHER”)

- 001 Acme Township
- 002 Adrian (City)
- 003 Albion (City)
- 004 Allendale Township
- 005 Alma (City)
- 006 Alpena (City)
- 007 Battle Creek (City)

008	Bedford Township
009	Belding (City)
010	Benton Township
011	Benton Harbor (City)
012	Bertrand Township
013	Big Rapids (City)
014	Blair Township
015	Blendon Township
016	Blue Lake Township
017	Bridgeman (City)
018	Buchanan (CITY)
019	Buchanan TOWNSHIP
020	Cadillac (City)
021	Cedar Creek Township
022	Cheboygan (City)
023	Coldwater (City)
024	Crockery Township
025	Dalton Township
026	Detroit (City)
027	Dowagiac (City)
028	East Bay Township
029	Edwardsburg (City)
030	Egelston Township
031	Elmwood Township
032	Emmett Township
033	Escanaba (City)
034	Ferrysburg (City)
035	Fillmore Township
036	Fruitland Township
037	Fruitport Township
038	Garfield Township
039	Georgetown Township
040	Gladstone (City)
041	Grand Haven (CITY)
042	Grand Haven TOWNSHIP
043	Green Lake Township
044	Greenville (City)
045	Hastings(City)
046	Hillsdale (City)
047	Holland (CITY)
048	Holland TOWNSHIP
049	Holton Township
050	Houghton (City)
051	Howard Township
052	Hudsonville (City)
053	Ionia (City)

054	Iron Mountain (City)
055	Ironwood (City)
056	Ishpeming (City)
057	Jamestown Township
058	Kingsford (City)
059	Lake Township
060	Laketon Township
061	Laketown Township
062	Lapeer (City)
063	Leroy Township
064	Lincoln Township
065	Long Lake Township
066	Ludington (City)
067	Manistee (City)
068	Marquette (City)
069	Marshall (City)
070	Menominee (City)
071	Milton Township
072	Montague Township
073	Mount Pleasant (City)
074	Muskegon (CITY)
075	Muskegon TOWNSHIP
076	Muskegon Heights (City)
077	Newton Township
078	Niles (CITY)
079	Niles TOWNSHIP
080	North Muskegon (City)
081	Norton Shores (CITY)
082	Norton Shores TOWNSHIP
083	Olive Township
084	Ontwa Township
085	Overisel Township
086	Owosso (City)
087	Park Township
088	Peninsula Township
089	Pennfield Township
090	Petoskey (City)
091	Port Sheldon Township
092	Robinson Township
093	Roosevelt Park (City)
094	Royalton Township
095	Saint Joseph (CITY)
096	Saint Joseph TOWNSHIP
097	Sault Sainte Marie (City)
098	Shoreham (City)
099	Sodus Township

- 100 South Haven (City)
- 101 Spring Lake (CITY)
- 102 Spring Lake TOWNSHIP
- 103 Springfield (City)
- 104 Stevensville (City)
- 105 Sturgis (City)
- 106 Sullivan Township
- 107 Tallmadge Township
- 108 Tecumseh (City)
- 109 Three Rivers (City)
- 110 Traverse City (City)
- 111 White River Township
- 112 White Water Township
- 113 Whitehall (CITY)
- 114 Whitehall TOWNSHIP
- 115 Zeeland (CITY)
- 116 Zeeland TOWNSHIP
- 996 Other (Specify \_\_\_\_\_)
- 998 Don't Know (GO TO AREA\_TM)
- 999 Refused (GO TO AREA\_TM)

#### **AREA\_LIM**

As a result of combining the city and township questions, the pre-logic will be updated for the AREA\_LIM question.

**(ASK IF AREA\_CTW=2, 3, 5, 6, 7, 9, 11, 13, 17, 18, 20, 22, 23, 26, 27, 29, 33, 34, 40, 41, 44, 45, 46, 47, 50, 52, 53, 54, 55, 56, 58, 62, 66, 67, 68, 69, 70, 73, 74, 76, 78, 80, 81, 86, 90, 93, 95, 97, 98, 100, 101, 103, 104, 105, 108, 109, 110, 113, OR 115)**

The following interviewer note will be added:

(IF NEEDED: "Is your residence located inside or outside of the legal boundaries of the city?")

#### **AREA\_TM**

As a result of other changes, the pre-logic will be updated for the AREA\_TM question.

AREA\_CIT>997 will be changed to AREA\_CTW>997

AREA\_TWP>997 will be deleted.

**(ASK IF AREA\_ST=2 OR AREA\_CTY>995 OR AREA\_CTW>997 OR AREA\_LIM>997)**

#### **WRKRS1**

To avoid respondent confusion, the word "currently" should be added to the question.

Are you **currently** employed?

## **WRKRS2**

Again, to avoid respondent confusion, the word “currently” should be added to the question.

Including yourself, how many of the people, over 15 years of age, living in your household are **currently** employed?

As requested, changing text in the question:

Including yourself, how many of the people, **16 years of age or older**, living in your household are employed?

## **New variable – SAGE\_1, SAGE\_#**

When asked “What is your age?”, most respondents respond with a specific answer, such as 52 years old. Properly categorizing the respondent’s answer to a category can slow down the interview. Also, if more than one household member has the same name or initials, MORPACE routinely adds age to the diary label, to avoid confusion (e.g., Bob (52 years old) and Bob (12 years old)). Therefore, MORPACE recommends recording the specific age and post-coding the age to the age range categories.

SAGE\_1.

What is your age?

SAGE\_#.

What is <INSERT NAME\_#>’s age?

(RECORD AGE)

\_\_\_\_ (PROGRAMMER: Allow 0 to 115.)

998 Don’t Know

999 Refused

## **AGE\_1**

**AGE\_#**

If a respondent doesn’t know a household member’s exact age or is unwilling to provide the exact age, the age range categories will be used. Therefore, the pre-logic for these questions will be updated.

**(ASK IF SAGE\_#=998 OR 999)**

Also, the text of the question will be changed as follows:

AGE\_1.

Which of the following categories best describes your age?

AGE\_#.

Which of the following categories best describes <INSERT NAME\_#>’s age?

Finally, the interviewer note ((DO NOT READ LIST. PROMPT, IF NEEDED.)) will be deleted.

**LDRV\_#**

Because of the age changes, the pre-logic for this question needs to be updated.

**(ASK IF (SAGE\_#>15 AND SAGE\_#<116) OR (AGE\_#>2 AND AGE\_#<12) OR AGE18\_# <>2)**

**Create new variables**

New variables will ask for the cost of the transit pass and the rate:

**(ASK IF PTYPE\_#<998 - FIRST MENTION)**

PCOST1\_1.

How much do you pay for the transit pass?

PCOST1\_#.

How much does <INSERT NAME\_#> pay for the transit pass?

<INSERT TEXT FROM PTYPE FIRST MENTION ANSWER>

(DO NOT READ LIST)

01     NOTHING

02     Amount (to be recorded in next question)

98     Don't Know

99     Refused

**(ASK IF PCOST1\_#=2)**

COST1A\_#.

(RECORD TRANSIT PASS COST - DOLLARS)

\_\_\_\_ (PROGRAMMER: Allow 0 to 9000.)

**(ASK IF PCOST1\_#=2)**

COST1B\_#.

(RECORD TRANSIT PASS COST - CENTS)

\_\_\_\_ (PROGRAMMER: Allow 0 to 99.)

**(ASK IF PCOST1\_#=2)**

COST1C\_#.

Is this rate...?

(READ LIST)

001    Weekly

002    Monthly

003    Annually

996    Other (Specify \_\_\_\_\_)

998    Don't Know

999    Refused

**(ASK IF PTYPE\_#<998 - SECOND MENTION)**

PCOST2\_1.

How much do you pay for the transit pass?

PCOST2\_#.

How much does <INSERT NAME\_#> pay for the transit pass?

<INSERT TEXT FROM PTYPE SECOND MENTION ANSWER>

(DO NOT READ LIST)

- 01     NOTHING
- 02     Amount (to be recorded in next question)
- 98     Don't Know
- 99     Refused

**(ASK IF PCOST2\_#=2)**

COST2A\_#.

(RECORD TRANSIT PASS COST - DOLLARS)

\_\_\_\_ (PROGRAMMER: Allow 0 to 9000.)

**(ASK IF PCOST2\_#=2)**

COST2B\_#.

(RECORD TRANSIT PASS COST - CENTS)

\_\_\_\_ (PROGRAMMER: Allow 0 to 99.)

**(ASK IF PCOST2\_#=2)**

COST2C\_#.

Is this rate...?

(READ LIST)

- 001    Weekly
- 002    Monthly
- 003    Annually
- 996    Other (Specify \_\_\_\_\_)
- 998    Don't Know
- 999    Refused

**(ASK IF PTYPE\_#<998 - THIRD MENTION)**

PCOST3\_1.

How much do you pay for the transit pass?

PCOST3\_#.

How much does <INSERT NAME\_#> pay for the transit pass?

<INSERT TEXT FROM PTYPE THIRD MENTION ANSWER>

(DO NOT READ LIST)

- 01     NOTHING
- 02     Amount (to be recorded in next question)
- 98     Don't Know
- 99     Refused

**(ASK IF PCOST3\_#=2)**

COST3A\_#.

(RECORD TRANSIT PASS COST - DOLLARS)

\_\_\_\_ (PROGRAMMER: Allow 0 to 9000.)

**(ASK IF PCOST3\_#=2)**

COST3B\_#.

(RECORD TRANSIT PASS COST - CENTS)

\_\_\_\_ (PROGRAMMER: Allow 0 to 99.)

**(ASK IF PCOST3\_#=2)**

COST3C\_#.

Is this rate...?

(READ LIST)

- 001    Weekly
- 002    Monthly
- 003    Annually
- 996    Other (Specify \_\_\_\_\_)
- 998    Don't Know
- 999    Refused

**WRKR\_1**

**WRKR\_#**

Answer 03 will be changed to the following:

- 03     Unpaid **worker** or **volunteer**

**EDU\_#**

Because of the age changes, the pre-logic for this question needs to be updated.

**(ASK IF (SAGE\_#>17 AND SAGE\_#<116) OR (AGE\_#>3 AND AGE\_#<12) OR AGE18\_# <>2)**

**WRKR\_#**

Because of the age changes, the pre-logic for this question needs to be updated.

**(ASK IF (SAGE\_#>15 AND SAGE\_#<116) OR (AGE\_#>2 AND AGE\_#<12) OR AGE18\_# <>2)**

**New variable –SVAGE\_#**

For the same reasons cited for SAGE, MORPACE recommends recording the specific age of visitors and post-coding the age to the age range categories.

SVAGE\_#.

What is <INSERT NAME\_#>'s age?

(RECORD AGE)

\_\_\_\_ (PROGRAMMER: Allow 0 to 115.)

998 Don't Know

999 Refused

**VAGE\_#**

If a respondent doesn't know a visitor's exact age or is unwilling to provide the exact age, the age range categories will be used. Therefore, the pre-logic for these questions will be updated.

**(ASK IF SVAGE\_#=998 OR 999)**

Also, the text of the question will be changed as follows:

VAGE\_#.

Which of the following categories best describes <INSERT NAME\_#>'s age?

Finally, the interviewer note ((DO NOT READ LIST. PROMPT, IF NEEDED.)) will be deleted.

**VWRKR\_#**

Because of the age changes, the pre-logic for this question needs to be updated.

**(ASK IF (SVAGE\_#>15 AND SVAGE\_#<116) OR (VAGE\_#>2 AND VAGE\_#<12) OR VAGE18\_# <>2)**

Also, answer 03 will be changed to the following:

03 Unpaid **worker** or **volunteer**

**VIND\_#**

For clarity, changing the question to the following:

**What is <INSERT VNAME\_#>'s employer's industry?**

Also adding the following interviewer note:

**(IF NEEDED: By industry, we mean the employer's principal business or activity.)**

**Region Assignment**

Due to combining and changing the questions that determine which region the household is located in, the programmer notes for assigning each household to a region need to be updated.

REGION=1A (SEMCOG):

AREA\_CTY=47 (LIVINGSTON)

AREA\_CTY=50 (MACOMB)

AREA\_CTY=58 (MONROE)

AREA\_CTY=63 (OAKLAND)

AREA\_CTY=74 (SAINT CLAIR)

AREA\_CTY=81 (WASHTENAW)

AREA\_CTY=82 (WAYNE) AND AREA\_CTW=996 (OTHER)

AREA\_CTW=26 (DETROIT) AND AREA\_LIM=2 (OUTSIDE)

REGION=1B (DETROIT):

AREA\_CTW=26 (DETROIT) AND AREA\_LIM=1 (INSIDE)

REGION=2 (SMALL CITIES):

AREA\_CTW=2 (ADRIAN) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=3 (ALBION) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=5 (ALMA) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=6 (ALPENA) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=9 (BELDING) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=13 (BIG RAPIDS) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=20 (CADILLAC) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=22 (CHEBOYGAN) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=23 (COLDWATER) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=27 (DOWAGIAC) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=33 (ESCANABA) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=40 (GLADSTONE) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=44 (GREENVILLE) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=45 (HASTINGS) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=46 (HILLSDALE) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=50 (HOUGHTON) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=53 (IONIA) AND AREA\_LIM=1 (INSIDE)

AREA\_CTW=54 (IRON MOUNTAIN) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=55 (IRONWOOD) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=56 (ISHPEMING) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=58 (KINGSFORD) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=62 (LAPEER) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=66 (LUDINGTON) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=67 (MANISTEE) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=68 (MARQUETTE) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=69 (MARSHALL) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=70 (MENOMINEE) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=73 (MOUNT PLEASANT) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=86 (OWOSSO) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=90 (PETOSKEY) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=97 (SAULT SAINTE MARIE) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=100 (SOUTH HAVEN) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=105 (STURGIS) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=108 (TECUMSEH) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=109 (THREE RIVERS) AND AREA\_LIM=1 (INSIDE)

REGION=3 (UPPER PENINSULA RURAL):

AREA\_CTY=2 (ALGER)  
AREA\_CTY=7 (BARAGA)  
AREA\_CTY=36 (IRON)  
AREA\_CTY=42 (KEWEENAW)  
AREA\_CTY=48 (LUCE)  
AREA\_CTY=49 (MACKINAC)  
AREA\_CTY=66 (ONTONAGON)  
AREA\_CTY=77 (SCHOOLCRAFT)  
AREA\_CTW=33 (ESCANABA) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=40 (GLADSTONE) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=50 (HOUGHTON) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=54 (IRON MOUNTAIN) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=55 (IRONWOOD) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=56 (ISHPEMING) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=58 (KINGSFORD) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=68 (MARQUETTE) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=70 (MENOMINEE) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=97 (SAULT SAINTE MARIE) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTY=17 (CHIPPEWA) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=21 (DELTA) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=22 (DICKINSON) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=27 (GOGEBIC) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=31 (HOUGHTON) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=52 (MARQUETTE) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=55 (MENOMINEE) AND AREA\_CTW=996 (OTHER)

REGION=4 (NORTHERN LOWER PENINSULA):

AREA\_CTY=1 (ALCONA)  
AREA\_CTY=5 (ANTRIM)  
AREA\_CTY=6 (ARENAC)  
AREA\_CTY=10 (BENZIE)  
AREA\_CTY=15 (CHARLEVOIX)  
AREA\_CTY=18 (CLARE)  
AREA\_CTY=20 (CRAWFORD)  
AREA\_CTY=26 (GLADWIN)  
AREA\_CTY=35 (IOSCO)  
AREA\_CTY=40 (KALKASKA)  
AREA\_CTY=43 (LAKE)  
AREA\_CTY=45 (LEELANAU)  
AREA\_CTY=57 (MISSAUKEE)  
AREA\_CTY=60 (MONTMORENCY)  
AREA\_CTY=65 (OGEMAW)  
AREA\_CTY=67 (OSCEOLA)  
AREA\_CTY=68 (OSCODA)  
AREA\_CTY=69 (OTSEGO)  
AREA\_CTY=71 (PRESQUE ISLE)  
AREA\_CTY=72 (ROSCOMMON)  
AREA\_CTW=6 (ALPENA) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=20 (CADILLAC) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=22 (CHEBOYGAN) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=66 (LUDINGTON) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=67 (MANISTEE) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=90 (PETOSKEY) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTY=4 (ALPENA) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=16 (CHEYBOYGAN) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=24 (EMMET) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=51 (MANISTEE) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=53 (MASON) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=83 (WEXFORD) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=28 (GRAND TRAVERSE) AND AREA\_CTW=996 (OTHER)

REGION=5 (SOUTHERN LOWER PENINSULA):

AREA\_CTY=32 (HURON)  
AREA\_CTY=62 (NEWAYGO)  
AREA\_CTY=64 (OCEANA)  
AREA\_CTY=76 (SANILAC)  
AREA\_CTY=79 (TUSCOLA)  
AREA\_CTW=2 (ADRIAN) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=5 (ALMA) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=9 (BELDING) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=13 (BIG RAPIDS) AND AREA\_LIM=2 (OUTSIDE)

AREA\_CTW=23 (COLDWATER) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=34 (FERRYSBURG) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=41 (GRAND HAVEN) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=44 (GREENVILLE) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=45 (HASTINGS) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=46 (HILLSDALE) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=53 (IONIA) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=62 (LAPEER) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=73 (MOUNT PLEASANT) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=86 (OWOSSO) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=100 (SOUTH HAVEN) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=105 (STURGIS) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=108 (TECUMSEH) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTW=109 (THREE RIVERS) AND AREA\_LIM=2 (OUTSIDE)  
AREA\_CTY=8 (BARRY) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=12 (BRANCH) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=29 (GRATIOT) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=30 (HILLSDALE) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=34 (IONIA) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=37 (ISABELLA) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=44 (LAPEER) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=46 (LENAWEE) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=54 (MECOSTA) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=59 (MONTCALM) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=75 (SAINT JOSEPH) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=78 (SHIAWASSEE) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=80 (VAN BUREN) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=3 (ALLEGAN) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=11 (BERRIEN) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=13 (CALHOUN) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=14 (CASS) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=61 (MUSKEGON) AND AREA\_CTW=996 (OTHER)  
AREA\_CTY=70 (OTTAWA) AND AREA\_CTW=996 (OTHER)

REGION=6 (TMAs):

AREA\_CTY=19 (CLINTON)  
AREA\_CTY=23 (EATON)  
AREA\_CTY=25 (GENESEE)  
AREA\_CTY=33 (INGHAM)  
AREA\_CTY=41 (KENT)  
AREA\_CTW=52 (HUDSONVILLE) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=4 (ALLENDALE)  
AREA\_CTW=39 (GEORGETOWN)  
AREA\_CTW=57 (JAMESTOWN)  
AREA\_CTW=107 (TALLMADGE)

REGION=7 (SMALL URBAN MODELED AREAS):

AREA\_CTY=9 (BAY)  
AREA\_CTY=38 (JACKSON)  
AREA\_CTY=39 (KALAMAZOO)  
AREA\_CTY=56 (MIDLAND)  
AREA\_CTY=73 (SAGINAW)  
AREA\_CTW=7 (BATTLE CREEK) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=11 (BENTON HARBOR) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=17 (BRIDGEMAN) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=18 (BUCHANAN) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=29 (EDWARDSBURG) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=34 (FERRYSBURG) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=41 (GRAND HAVEN) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=47 (HOLLAND) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=74 (MUSKEGON) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=76 (MUSKEGON HEIGHTS) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=78 (NILES) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=80 (NORTH MUSKEGON) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=81 (NORTON SHORES) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=93 (ROOSEVELT PARK) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=95 (SAINT JOSEPH) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=98 (SHOREHAM) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=101 (SPRING LAKE) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=103 (SPRINGFIELD) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=104 (STEVENSVILLE) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=110 (TRAVERSE CITY) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=113 (WHITEHALL) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=115 (ZEELAND) AND AREA\_LIM=1 (INSIDE)  
AREA\_CTW=1 (ACME)  
AREA\_CTW=4 (ALLENDALE)  
AREA\_CTW=8 (BEDFORD)  
AREA\_CTW=10 (BENTON)  
AREA\_CTW=12 (BERTRAND)  
AREA\_CTW=14 (BLAIR)  
AREA\_CTW=15 (BLENDON)  
AREA\_CTW=16 (BLUE LAKE)  
AREA\_CTW=19 (BUCHANAN)  
AREA\_CTW=21 (CEDAR CREEK)  
AREA\_CTW=24 (CROCKERY)  
AREA\_CTW=25 (DALTON)  
AREA\_CTW=28 (EAST BAY)  
AREA\_CTW=30 (EGELSTON)  
AREA\_CTW=31 (ELMWOOD)  
AREA\_CTW=32 (EMMETT)  
AREA\_CTW=35 (FILLMORE)  
AREA\_CTW=36 (FRUITLAND)

AREA\_CTW=37 (FRUITPORT)  
AREA\_CTW=38 (GARFIELD)  
AREA\_CTW=42 (GRAND HAVEN)  
AREA\_CTW=43 (GREEN LAKE)  
AREA\_CTW=48 (HOLLAND)  
AREA\_CTW=49 (HOLTON)  
AREA\_CTW=51 (HOWARD)  
AREA\_CTW=59 (LAKE)  
AREA\_CTW=60 (LAKETON)  
AREA\_CTW=61 (LAKETOWN)  
AREA\_CTW=63 (LEROY)  
AREA\_CTW=64 (LINCOLN)  
AREA\_CTW=65 (LONG LAKE)  
AREA\_CTW=71 (MILTON)  
AREA\_CTW=72 (MONTAGUE)  
AREA\_CTW=75 (MUSKEGON)  
AREA\_CTW=77 (NEWTON)  
AREA\_CTW=79 (NILES)  
AREA\_CTW=82 (NORTON SHORES)  
AREA\_CTW=83 (OLIVE)  
AREA\_CTW=84 (ONTWA)  
AREA\_CTW=85 (OVERISEL)  
AREA\_CTW=87 (PARK)  
AREA\_CTW=88 (PENINSULA)  
AREA\_CTW=89 (PENNFIELD)  
AREA\_CTW=91 (PORT SHELDON)  
AREA\_CTW=92 (ROBINSON)  
AREA\_CTW=94 (ROYALTON)  
AREA\_CTW=96 (SAINT JOSEPH)  
AREA\_CTW=99 (SODUS)  
AREA\_CTW=102 (SPRING LAKE)  
AREA\_CTW=106 (SULLIVAN)  
AREA\_CTW=111 (WHITE RIVER)  
AREA\_CTW=112 (WHITE WATER)  
AREA\_CTW=114 (WHITEHALL)  
AREA\_CTW=116 (ZEELAND)

### **REMINDER CALL CHANGES**

No changes are recommended to the reminder call script.

## **PERSON INFORMATION SHEET CHANGES**

### **Work Information**

To be consistent, the word “currently” will be added to the heading:

Not **currently** employed – Skip this section

### **Industry**

The question will be reworded as follows:

What is your employer’s industry?

### **Work Schedule**

It was decided at the February 26<sup>th</sup> project meeting that the first answer category should be changed to the following:

“I have no flexibility in my work schedule.”

### **Travel Codes**

Moped will be moved from the “Bicycle/Moped” category to the “Motorcycle” category.

2        **Motorcycle/Moped**

3        **Bicycle**

## **DIARY CHANGES**

### **Instructions**

On page 1 of the diary, the last bullet will be moved to become the first bullet. The text will also be changed to the following:

**Use this diary on your assigned travel days, shown on the cover. Begin at 3:00 am on your first travel day and continue for 48 hours, ending at 3:00 am.**

On page 1 of the diary, Bullet 8 will be changed to the following:

If you park your car and walk MORE than five minutes to your destination, record your type of transportation as car first, then walk. **If you walk more than five minutes from a bus to your destination, record your transportation as bus first, then walk.**

On page 1 of the diary, Bullet 9 will be changed to the following:

If your work involves frequent travel - truck driver, sales person, taxi driver, etc. - **record** where and when you **start** work and where and when you **end** work. **If you do any non-work related stops between your work stops, record those locations. You** do not need to **report** your frequent work-related stops.

### Activity Choices

On page 2 of the diary, the work category will have an explanation added:

3      Work (**employment and job-related activities**)

On page 2 of the diary, the major shopping category will have an example added:

10     Major shopping (appliances, cars, **home furnishings**, etc.)

### Start Page

The “Start Recording Here” note will be deleted.

The “Start Here” in the black box will be changed to “Start **Recording** Here”.

### Type of Transportation

Global change: Moped will be moved from the “Bicycle/Moped” category to the “Motorcycle” category.

2      Motorcycle/**Moped**

3      **Bicycle**

Global change: “If you used a car/van/truck or motorcycle for this trip ...” will be changed to “If you used a car/van/truck or motorcycle/**moped** for this trip ...”

### Question 3 Font

The font used for “\$ \_\_ \_\_. \_\_ \_\_” does not match. The font will be corrected for the final printing.

## RETRIEVAL CHANGES

***CHANGED ON FEBRUARY 5, 2004 – AFTER THE FIRST NIGHT OF RECRUITING. CHANGES MADE AFTER DEBRIEFING THE INTERVIEWERS AND MONITORING THE FIRST NIGHT.***

### DDONE\_#

Added text to the answers for clarity:

01     Yes - **NO MORE TRAVEL**

02     No - **CONTINUE RECORDING TRAVEL**

### AHOUR\_#

Deleted the "at this location" at the end of the question:

What time did (you/NAME) ARRIVE?

### **Additional Cities**

Added the following cities (to the CATI and to the interviewer guidebooks):

1012 Hell \*\*

1013 Croton \*\*

\*\*Do NOT use for MAILCITY!! Not acceptable for mailing!!

1012 should be between 426 (Hazel Park) and 427 (Hemlock)

1013 should be between 228 (Croswell) and 229 (Crystal)

### ***CHANGES RECOMMENDED AS A RESULT OF THE PILOT.***

#### **Creating new variables**

The new variables will verify the number of people in the household:

**(ASK IF FIRST PERSON/CONTACT PERSON FROM RECRUIT)**

C\_PPL.

Before recording the travel information, I need to confirm the number of people living in your household. According to my records, <INSERT HHNUMPPL FROM RECRUIT> person(s) live(s) in your household. Is that correct?

01 Yes - Household size is correct

02 No - ADD a household member

03 No - REMOVE a household member

**(ASK IF C\_PPL=2)**

ADD\_HM.

I need to ask a few quick questions about this household member.

(INTERVIEWER: COMPLETE ADDITIONAL PERSON FORM FOR EACH ADDITIONAL HOUSEHOLD MEMBER!)

**(ASK IF C\_PPL=3)**

REM\_HM.

Which person(s) are not actually members of your household?

(INTERVIEWER: COMPLETE REMOVAL FORM FOR EACH HOUSEHOLD MEMBER!)

<LIST NAME\_# FOR EACH HOUSEHOLD MEMBER>

**Creating new variables**

The following new variables will verify the number of vehicles available to the household:

**(ASK IF FIRST PERSON/CONTACT PERSON FROM RECRUIT)**

C\_VEH.

I also need to confirm the number of vehicles available to your household. According to my records, <INSERT HHNUMVEH FROM RECRUIT> vehicle(s) are/is available to your household for regular use. Is that correct?

- 01 Yes - Number of vehicles is correct
- 02 No - Change number of vehicles

**(ASK IF C\_VEH=2)**

CORR\_VH.

How many working vehicles are available to your household?

(INTERVIEWER: Verify if more than 6 vehicles.)

(RECORD NUMBER OF HOUSEHOLD VEHICLES)

\_\_\_\_ (PROGRAMMER: Allow 0 to 10 vehicles.)

- 97 Zero/None
- 98 Don't Know
- 99 Refused

**(ASK IF CORR\_VH=1)**

CORRSB\_A.

Is this vehicle provided or subsidized by a household member's employer?

- 01 Yes
- 02 No
- 98 Don't Know
- 99 Refused

**(ASK CORR\_VH=2:10)**

CORRSB\_B.

How many of these vehicles, if any, are provided or subsidized by a household member's employer?

\_\_\_\_ (PROGRAMMER: Allow 0 to CORR\_VH.)

(PROGRAMMER: IF CORRSB\_A=1, CODE CORRSB\_B=1,  
ELSE CORRSB\_B=0/97)

- 97 Zero/None
- 98 Don't Know
- 99 Refused

## **START**

Changing the beginning of the first sentence:

**Now** I need to ask a few questions about school and work. These questions were included on the person information sheet, which was sent for each member of your household.

## **S\_STATUS**

Adding text to the question and an interviewer note:

(Are you/Is NAME) currently attending **any level of** school?

**(INTERVIEWER NOTE: From preschool/nursery school to college.)**

## **Creating new variables**

The following new variables will verify work status.

**(ASK IF WRKR\_#=1:2)**

W\_CONF.

My records indicate that (you are/NAME is) currently employed. Is that correct?

01 Yes - employed

02 No - NOT employed

**(ASK IF W\_CONF=2)**

CNOWK.

(Are you/Is NAME) looking for work?

01 Yes

02 No

98 Don't Know

99 Refused

**(ASK IF WRKR\_#=3:4)**

NW\_CONF.

My records indicate that (you are/NAME is) NOT currently employed in paid work. Is that correct?

01 Yes - NOT employed

02 No - employed

**(ASK IF NW\_CONF=2)**

CWRKR\_1.

(Are you/Is NAME) a...?

(READ LIST)

- 01 Full-time worker
- 02 Part-time worker
- 98 Don't Know
- 99 Refused

### **Update pre-logics**

By changing the interview to confirm employment, the variables listed below will need the following pre-logic:

**(ASK IF W\_CONF=1 OR CWRKR\_#=1:2)**

W1\_NAME

W1\_TYPE

W1\_ADDR

W1\_TIMES

W1\_EVES

W1\_ONITE

W1\_HRS

W1\_FLEX

W1\_COMP

W1\_IND

W\_MJOBS

**W1\_FLEX**

**W2\_FLEX**

To match the updated person information sheet, the first answer category should be changed to the following:

- 1 "I have no flexibility in **my work schedule.**"

**W1\_IND**

**W2\_IND**

For clarity, changing the question to the following:

**What is (your/NAME's) employer's industry?**

Also adding the following interviewer note:

**(IF NEEDED: By industry, we mean the employer's principal business or activity.)**

### VIS\_INT

The pre-logic should be updated, so that only those visitors of driving age are asked the question.

**(ASK IF VISITOR AND ((SVAGE\_#>15 AND SVAGE\_#<116) OR (VAGE\_#>2 AND VAGE\_#<12) OR (VAGE18\_#<>2))**

An additional answer category will be added (code 4) to clarify the question and the question will be reworded appropriately:

Before we begin, did (you/NAME) use (your/his/her) own vehicle, rent a vehicle, **borrow a vehicle from the household (you are/he/she is) visiting, borrow someone else's vehicle**, or have no access to a vehicle for this overnight stay?

- 01 Used own vehicle
- 02 Rented a vehicle
- 03 Borrowed household vehicle
- 04 Borrowed other vehicle**
- 05 No vehicle access**
- 98 Don't Know
- 99 Refused

### TYPE\_#

Text will be added to code 8:

008 Daycare Facility/**Preschool/Nursery School**

### A1\_#

### A2\_#

Programmer note for answer 1 will be changed to:

**(SHOW IF LOCATE\_#=1 AND (W\_CONF=1 OR CWRKR\_#=1:2))**

### WHYNO\_S

Changing post-logic as follows:

**(IF A1\_1=1 OR A2\_1=1 GO TO WKHM\_S, ELSE GO TO LD\_INT)**

### New variable – WKHM\_S

Inserting new variable after WHYNO\_S to determine approximately what time periods the respondent was working at home if they did not make any trips during the 48-hour travel period.

**(ASK IF NOTRV\_1=1 AND (A1\_1=1 OR A2\_1=1))**

WKHM\_S.

What time did you do paid work at home on Day 1? On Day 2?

(EXAMPLE: 8 am to 1 pm on Day 1, 10 am to 3:30 pm on Day 2)

**(GO TO LD\_INT)**

**TRS\_TYPE\_#**

Moped will be moved from the “Bicycle/Moped” category to the “Motorcycle” category.

002    2   **Motorcycle/Moped**

003    3   **Bicycle**

**New variable – DAR\_#**

**(ASK IF TRS\_TYPE\_#=7)**

DAR\_#.

Which DIAL-A-RIDE provider did (you/NAME) ride?

(RECORD NUMBER FOR BUS PROVIDER FROM TRANSIT LIST)

(RECORD 996 FOR OTHER SPECIFY)

(DO NOT READ LIST. IF NEEDED, PROMPT WITH CATEGORIES.)

996        Other (Specify \_\_\_\_\_)

998        Don't Know

999        Refused

**BUS\_#**

Change pre-logic:

**(ASK IF TRS\_TYPE\_#=9)**

Add “bus” to the question:

Which **BUS** provider did (you/NAME) ride?

**Rename PAY1\_#, PAY2A\_#, PAY2B\_#**

**Use PAY6\_#, PAY6A\_#, PAY6B\_#**

Change PAY6\_# pre-logic to: (ASK IF TRS\_TYPE\_#=6)

Change “this trip” to “the taxi or shuttle”:

How much, in total, did (you/NAME) pay for **the TAXI or SHUTTLE?**

PAY6A\_# pre-logic will be: (ASK IF PAY6\_#=2)

PAY6B\_# pre-logic will be: (ASK IF PAY6\_#=2)

PAY6A\_# and PAY6B\_#

Change “transportation” to “taxi/shuttle”:

(RECORD **TAXI/SHUTTLE** COST - DOLLARS)

(RECORD **TAXI/SHUTTLE** COST - CENTS)

**Create PAY7\_#, PAY7A\_#, PAY7B\_#**

**Create PAY8\_#, PAY8A\_#, PAY8B\_#**

**Create PAY9\_#, PAY9A\_#, PAY9B\_#**

Base text on 6 series, but change as follows:

PAY7\_#

How much, in total, did (you/NAME) pay for **the DIAL-A-RIDE service?**

PAY7A\_#

(RECORD **DIAL-A-RIDE** COST - DOLLARS)

PAY7B\_#

(RECORD **DIAL-A-RIDE** COST - CENTS)

PAY8\_#

How much, in total, did (you/NAME) pay for **the TRAIN?**

PAY8A\_#

(RECORD **TRAIN** COST - DOLLARS)

PAY8B\_#

(RECORD **TRAIN** COST - CENTS)

PAY9\_#

How much, in total, did (you/NAME) pay for **the BUS?**

PAY9A\_#

(RECORD **BUS** COST - DOLLARS)

PAY9B\_#

(RECORD **BUS** COST - CENTS)

**PAY6A\_#**

**PAY7A\_#**

**PAY8A\_#**

**PAY9A\_#**

(PROGRAMMER: Allow 0 to 9000.)

**PK2A\_#**

(PROGRAMMER: Allow 0 to 9000.)

**ASTOP\_#**

Deleting this question, per discussions at the project meeting on February 26<sup>th</sup>.

**FCTY\_#**

At MDOT's request, adding an additional interviewer note:

(INTERVIEWER NOTE: For international trips, enter the name of the country in this field.

**If trip to Canada, please probe for City and Province (Toronto, Ontario, Canada).**

If respondent provides a place, like Disney World, and is unable to provide city when probed, enter the place provided in this field.)

**TRTYPE\_#**

Moped will be moved from the "Bicycle/Moped" category to the "Motorcycle" category.

002    Motorcycle/**Moped**

003    **Bicycle**

**FMODE\_#**

Moped will be moved from the "Bicycle/Moped" category to the "Motorcycle" category.

002    Motorcycle/**Moped**

003    **Bicycle**